



## **“One Ocean” Education Symposium for Middle and High School Educators**

Sunday, September 18, 2005, 8:30 AM – 3:30 PM  
Marriott Wardman Park Hotel, 2660 Woodley Road, N.W., Washington, D.C.  
202-328-2000

**E**ach year the Marine Technology Society (MTS) and the IEEE Oceanic Engineering Society present the OCEANS Conference. This is the largest international professional meeting and exposition devoted to the full spectrum of ocean sciences, technology, policy, engineering, and education.

OCEANS 2005 MTS/IEEE is a major forum for ocean scientists, engineers, industry end users and suppliers, technologists, educators and researchers, policymakers, and the public throughout the world to present their latest research results, state-of-the-art technologies, and innovative ideas to their peers and others who are involved in the future of our “One Ocean.”

For the first time, the OCEANS 2005 Conference has a theme of ocean education and outreach throughout its week-long event, including a robust offering of special events such as “One Ocean” Education Symposium for Educators on Sunday; the Underwater Robots Invade Oceans 2005!!!; A Marine Advanced Technology Education Center (MATE) Program on Monday; a marine technologies career Web cast entitled Students@OCEANSOnline followed by National Ocean Science Bowl Competition Demonstration on Wednesday. An Education Plenary and “One Ocean” Town Hall Meeting will conclude the week on Friday. You may attend, at no cost, the “One Ocean” Education Symposium for Educators on Sunday, Monday events, Friday events, and tour the Exhibition Hall.

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### **The “One Ocean” Education Symposium Opening - “Strengthening Ocean Education and Outreach: A Prerequisite for Informed Nations and a Competitive and Capable Ocean Workforce”**

The Marine Technology Society (MTS) and the IEEE Oceanic Engineering Society begin this year’s conference with a day of Professional Development Sessions offered at no charge to educators to introduce them to ways that scientists and educators are working together to bring the world of ocean science and technology to classrooms and informal education settings throughout the world. Certificates of attendance will be distributed at the conclusion of the “One Ocean” Education Symposium for Educators.

### **Grant Writing 101...Successful Components in Preparing a Grant**

This half-day education professional development session will provide participants with resource materials and an in-depth discussion on developing a successful proposal. For a more detailed description, see <http://www.oceans2005.org/education.htm>

### **ROV-in-a-Bag: A Hands-on Introduction to the World of ROVs**

This half-day session is a basic introduction to the field of Remotely Operated Vehicles (ROVs). On Monday, elements of this session will be provided to other conference attendees in conjunction with the MATE/ROV demonstration at the hotel pool. For a more detailed description, see <http://www.oceans2005.org/education.htm>

### **NOAA Learning Ocean Science through Ocean Exploration Curriculum for Grades 6-12 Professional Development**

This all-day session involves teachers in conducting inquiry- and standards-based activities tied directly to recent NOAA ocean explorations. Receive a copy of the curriculum and companion CD-ROM interpreting these multidisciplinary ocean discovery voyages exploring with new technological eyes in little-known or unknown regions of the ocean. For a more detailed description, see <http://www.oceans2005.org/education.htm>

### **Expose Your Students to Ocean Careers!**

Having trouble answering your students’ questions about the relevancy of what they are learning in the classroom? Do you want to expose your students first-hand to current ocean science and technology? Join us and learn about ocean-related careers, interpretation of scientific posters and strategies for preparing students for future conferences. For a more detailed description, see <http://www.oceans2005.org/education.htm>

## NOAA Ocean Explorer and Discovery Center: A Treasure Trove on Online Ocean Resources for Educators

Educators will explore one of NOAA's most frequently used Web resources, The Ocean Explorer Web Site (<http://oceanexplorer.noaa.gov>), and one of the Agency's newest online resources for educators, the NOAA Discovery Center (<http://oceanservice.noaa.gov/education/>), and receive CD-ROMs and other supporting resources for each. For a more detailed description, see <http://www.oceans2005.org/education.htm>

## The Maury Project: Teaching Modules on Ocean Tides and Ocean Waves

The Maury Project is the American Meteorological Society's comprehensive national program of teacher enhancement based on studies of the physical foundations of oceanography. Participants will learn basic background information and suggested teaching techniques as they progress through the Teaching Modules on Ocean Tides and Ocean Waves. For a more detailed description, see <http://www.oceans2005.org/education.htm>

## Friday, September 23 - "ONE OCEAN": How Do We Strengthen Ocean Education and Outreach to Achieve a Competitive and Capable Global Ocean Society That Will Actually Make a Difference?

Key leaders in the national ocean community are featured as they discuss the importance of ocean literacy for generations to ensure the future of our "One Ocean" Global Society.

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# OCEANS 2005 MTS/IEEE Sunday, 18 September 2005 "One Ocean" Education Symposium Educators Registration Form

### CONTACT INFORMATION:

**Note: Photo ID will be required for participation in the conference.**

Family/Surname	Personal Name	Honorific (if desired)
Organization/School		
Address		
City	State/Province	Postal Code
Country	Business Telephone	Business Fax
Email		
Do you want to receive notifications about future OCEANS conferences? <input type="checkbox"/> Yes <input type="checkbox"/> No		

***You may choose ONE morning session and ONE afternoon session, OR the All-Day session.  
Each session has limited space available, so please indicate your first choice as well as a second, third or fourth.  
If you choose the All-day session, please also indicate alternative choices for the morning and afternoon sessions.***

#### AM Sessions: 9:40 AM - 12:00 PM

***Please indicate your choice by ranking  
the options below #1, #2, #3.***

- ☐ Grant Writing 101  
☐ ROV In-A-Bag  
☐ Expose Your Students to Ocean Careers

#### PM Sessions: 1:00 PM – 3:30 PM

***Please indicate your choice by ranking  
the options below #1, #2, #3, or #4***

- ☐ ROV In-A-Bag  
☐ Expose Your Students to Ocean Careers  
☐ NOAA Ocean Explorer and Discovery Center  
☐ The Maury Project: Ocean Tides and Ocean Waves

**OR**

#### All-Day Session: 9:40 AM – 3:30 PM

- ☐ Learning Ocean Science Through Ocean Exploration

**Please fax completed registration form to Elsie Cabrera at 732-465-6447 no later than September 14, 2005.**

If you are interested in registering for the conference in addition to the Educators Program  
please complete the conference registration form found on the conference Web site

[OCEANS2005.org](http://OCEANS2005.org)